DETAILED ACTION

1. This Office action is in response to Applicant's Amendment filed 2/04/2008 and telephone interview March 10, 2008.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Walter F. Fasse on March 10, 2008.

3. The application has been amended as follows:

In the claims:

1. (Currently amended) Arrangement for the torque measurement of rotating machine parts ~~with~~ comprising: a strain measuring bridge (2) arranged on ~~the~~ a rotor, the output signals of which strain measuring bridge are amplified and converted in a voltage-frequency converter (4) into a frequency-proportional signal and are transmitted by ~~means of~~ a transmitter circuit (9) to a stator, ~~characterized in that~~ wherein the voltage-frequency converter (4) is embodied as a synchronous voltage-frequency converter, after which a follow-up synchronization circuit (PLL) (6) is circuit-connected for ~~the~~ suppression of the ~~so-called~~ frequency jitter.

2. (Currently amended) Arrangement for the torque measurement according to claim 1, ~~characterized in that~~ wherein the synchronous voltage-frequency converter (4)

is driven with a high quartz-controlled frequency, which comprises a multiple of ~~the~~ a required carrier frequency, which is provided for a prescribed signal bandwidth, whereby the follow-up synchronization circuit (PLL) (6) is followed by a frequency divider circuit (i0), which ~~divides~~ is to divide down the output frequency by the multiple.

3. (Currently amended) Arrangement for the torque measurement according to claim 2, ~~characterized in that~~ wherein the synchronous voltage-frequency converter (4) is arranged on ~~the~~ a rotor side (14) of the arrangement, while the follow-up synchronization circuit (PLL) (6) is provided on ~~the~~ a stator side (13) of the arrangement, whereby the quartz-controlled frequency is produced on the stator side (13) and is inductively transmitted in a synchronized manner to the rotor side (14) with ~~the aid of~~ the transmitter circuit (12) and is supplied to the synchronous voltage-frequency converter (4).

Allowable Subject Matter

1. Claims 1-9 are allowed.

2. The following is an examiner's statement of reasons for allowance:

The prior art of record does not teach or suggest an arrangement for torque measurement having synchronization circuit is provided on a stator side of the arrangement, whereby the quartz-controlled frequency is produced on the stator side and is inductively transmitted in a synchronized manner to the rotor side with the transmitter circuit and is supplied to the synchronous voltage-frequency converter, as recited in the independent claim 1; an apparatus for measuring torque having a series circuit arrangement including a phase-locked loop and an inductive contactless

transmitter arrangement connected in series with one another between said converter signal output and a stator-side output of said apparatus, wherein said stator-side output is arranged on said stator, and said inductive contactless transmitter arrangement includes at least one first inductive element arranged on said rotor and at least one second inductive element arranged on said stator so as to cooperate inductively with said at least one first inductive element, as recited in the independent claim 4 and in combination of the claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Contact Information

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vincent Q. Nguyen whose telephone number is (571) 272-2234. The examiner can normally be reached on 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Diego F. F. Gutiérrez can be reached on (571) 272-2245. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Vincent Q. Nguyen/
Primary Examiner, Art Unit 2858

March 10, 2008